



RADIOLOGICAL ATTACK



A Radiological Attack hazard occurs when a population is intentionally exposed to radiation through a non-nuclear mechanism (nuclear weapon hazards are profiled separately). A Radiological Attack may take the form of a radiological exposure device (RED) or a radiological dispersal device (also known as a dirty bomb or RDD).

HAS IT HAPPENED LOCALLY?

There have been zero Radiological Attack hazard events in Howard County during the reviewed time period (1996-2014).

WHAT IS THE ONGOING RISK?

There is an expected **<1-10% Annual Likelihood** of a Radiological Attack hazard in Howard County. In the most likely Radiological Attack scenario, the **Total Impact is considered Limited-Significant**. In the worst-case scenario, the **Total Impact is considered Significant-Critical**.

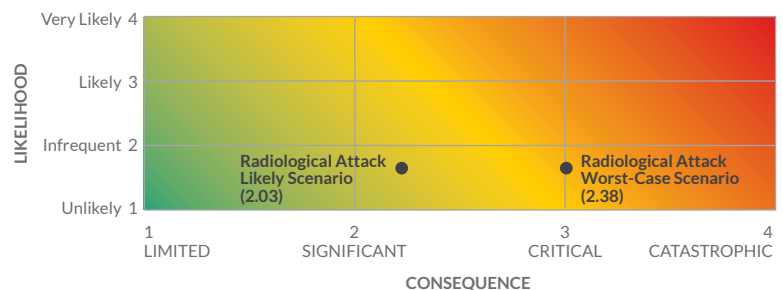
DID YOU KNOW?

- Radiological exposure devices (REDs) have extremely localized effects and may only affect people who are in physical contact or extremely close proximity to the device.
- The area affected by a Radiological dispersal devices (RDD) explosion may range from less than a city block to several square miles.

FOR MORE INFORMATION:

- Howard County Hazard Identification and Risk Assessment readyhoco.com/hazards
- U.S. Department of Homeland Security dhs.gov/xlibrary/assets/prep_radiological_fact_sheet.pdf
- Ready.gov ready.gov/radiological-dispersion-device-rdd
- Centers for Disease Control and Prevention cdc.gov/cdcgrandrounds/archives/2010/03-march.htm

RISK MATRIX



LOCAL RISK OVERVIEW

LOCAL RISK OVERVIEW		
Future Likelihood	Unlikely-Infrequent <1-10% chance of annual occurrence	
Impact	MOST-LIKELY	WORST-CASE
	Limited-Significant	Significant-Critical
Risk Score	2.03	2.38
Risk Ranking (High to Low)	Ranked #12 of 16 man-made hazards.	

RADIOLOGICAL ATTACK IMPACT

Where no Worst-Case bar is visible, Worst-Case impact is equivalent to Likely Impact

